

## Index to Volume 37

### Authors and Titles

- Aldenhoven, J. M.  
Different reproductive strategies in a sex-changing coral reef fish *Centropyge bicolor* (Pomacanthidae) 353
- Allen, G. R. *See* Crowley, L. E. L. M.
- Alongi, D. M.  
Population structure and trophic composition of the free-living nematodes inhabiting carbonate sands of Davies Reef, Great Barrier Reef, Australia 609
- Anderson, D. T. *See* Skilleter, G. A.
- Anderson, R. B. *See* Ward, T. J.
- Arnott, G. H., Brand, G. W., and Kos, L. C.  
Effects of food quality and quantity on the survival, development, and egg production of *Gladioferens pectinatus* (Brady) (Copepoda : Calanoida) 475
- Arnott, G. H. *See also* Brand, G. W.
- Arthington, A. H., Burton, H. B., Williams, R. W., and Outridge, P. M.  
Ecology of humic and non-humic dune lakes, Fraser Island, with emphasis on the effects of sand infilling in Lake Wabby 743
- Arthington, A. H., Yeates, G. W., and Conrick, D. L.  
Nematodes, including a new record of *Tobrilus diversipapillatus* in Australia, as potential indicators of sewage effluent pollution 159
- Baldwin, J. *See* Head, G.
- Barnett, B. M., Hartwick, R. F., and Milward, N. E.  
Descriptions of the nisto stage of *Scyllarus demani* Holthuis, two unidentified *Scyllarus* species, and the juvenile of *Scyllarus martensii* Pfeffer (Crustacea : Decapoda : Scyllaridae), reared in the laboratory; and behavioural observations of the nistos of *S. demani*, *S. martensii* and *Thenus orientalis* (Lund) 595
- Benzie, J. A. H.  
Phylogenetic relationships within the genus *Daphnia* (Cladocera : Daphniidae) in Australia, determined by electrophoretically detectable protein variation 251
- Bindoff, N. L. *See* Lilley, F. E. M.
- Blaber, S. J. M.  
Feeding selectively of a guild of piscivorous fish in mangrove areas of north-west Australia 329
- Blaber, S. J. M. *See also* Bulman, C. M.
- Boon, P. I.  
Uptake and release of nitrogen compounds in coral reef and seagrass, *Thalassia hemprichii* (Ehrenb.) Aschers., bed sediments at Lizard Island, Queensland 11
- Bowmer, K. H.  
Rapid biological assay and limitations in macrophyte ectotoxicology: a review 297
- Brand, G. W., Fabris, G. J., and Arnott, G. H.  
Reduction of population growth in *Tisbe holothuriae* Humes (Copepoda : Harpacticoida) exposed to low cadmium concentrations 475
- Brand, G. W. *See also* Arnott, G. H.
- Brooker, K. S. *See* Potter, I. C.
- Bulman, C. M., and Blaber, S. J. M.  
Feeding ecology of *Macruronus novaezelandiae* (Hector) (Teleostei : Merlucciidae) in south-eastern Australia 621
- Burton, H. B. *See* Arthington, A. H.
- Byrnes, T.  
Some ergasilids (Copepoda) parasitic on four species of Australian bream, *Acanthopagrus* spp. 81
- Cadwallader, P. L., and Douglas, J.  
Changing food habits of Macquarie perch, *Macquaria australasica* Cuvier (Pisces : Percichthyidae), during the initial filling phase of Lake Dartmouth, Victoria 647
- Campbell, I. C.  
Life histories of some Australian siphonurid and oligoneuriid mayflies (Insecta : Ephemeroptera) 261
- Caputi, N. *See* Penn, J. W.
- Chessman, B. C.  
Dietary studies of aquatic insects from two Victorian rivers 129
- Impact of the 1983 wildfires on river water quality in East Gippsland, Victoria 399
- Chubb, C. F., and Potter, I. C.  
Age, growth and condition of the Perth herring, *Nematolosa vlaminghi* (Munro) (Dorosomatinae), in the Swan Estuary, south-western Australia 105

- Conrick, D. L. *See* Arthington, A. H.  
 Cooke, S. L. *See* Garland, C. D.  
 Correll, R. L. *See* Ward, T. J.  
 Cowdell, R. A. *See* Gibbs, C. F.  
 Creagh, S. *See* Johnson, M. S.  
 Crowley, L. E. L. M., Ivantsoff, W., and Allen, G. R.  
 Taxonomic position of two crimson-spotted rainbowfish, *Melanotaenia duboulayi* and *Melanotaenia fluviatilis* (Pisces: Melanotaeniidae), from eastern Australia, with special reference to their early life-history stages 385
- Davies, P. E., and Sloane, R. D.  
 Validation of aging and length back-calculation in rainbow trout, *Salmo gairdneri* Rich., from Dee Lagoon, Tasmania 289
- Douglas, J. *See* Cadwallader, P. L.
- Fabris, G. J. *See* Brand, G. W.  
 Fancett, M. S.  
 Species composition and abundance of Scyphomedusae in Port Phillip Bay, Victoria 379
- Ferguson, I. J. *See* Lilley, F. E. M.  
 Filloux, J. H. *See* Lilley, F. E. M.
- Ganf, G. G., Stone, S. J. L., and Oliver, R. L.  
 Use of protein to carbohydrate ratios to analyse for nutrient deficiency in phytoplankton 183
- Ganf, G. G. *See also* Roberts, J.  
 Garland, C. D., Cooke, S. L., McMeekin, T. A., and Valentine, J. E.  
 Effects of 0.2- $\mu$ m membrane-filtered seawater as a culture medium on fertilized eggs of the Pacific oyster, *Crassostrea gigas* 713
- Gibbs, C. F., Cowdell, R. A., and Longmore, A. R.  
 Seasonal variations of density patterns in relation to the Bass Strait cascade 21
- Gibbs, C. F., Tomczak Jr, M., and Longmore, A. R.  
 The nutrient regime of Bass Strait 451
- Gibbs, P. J. *See* Nell, J. A.  
 Griffiths, D. J. *See* Hawkins, P. R.
- Hallegraeff, G. M., and Reid, D. D.  
 Phytoplankton species successions and their hydrological environment at a coastal station off Sydney 361
- Hamilton, L. J.  
 Statistical features of the oceanographic area off south-western Australia, obtained from bathythermograph data 421
- Hampton, J.  
 Effect of tagging on the condition of southern bluefin tuna, *Thunnus maccoyii* (Castlenau) 699
- Harris, J. H.  
 Reproduction of the Australian bass, *Macquaria novemaculeata* (Perciformes: Percichthyidae) in the Sydney Basin 209
- Hartwick, R. F. *See* Barnett, B. M.  
 Hawkins, P. R., and Griffith, D. J.  
 Light attenuation in a small tropical reservoir (Solomon Dam, north Queensland): seasonal changes and the effects of artificial aeration 199
- Head, G., and Baldwin, J.  
 Energy metabolism and the fate of lactate during recovery from exercise in the Australian freshwater crayfish *Cherax destructor* 641
- Hodda, M., and Nicholas, W. L.  
 Temporal changes in littoral meiofauna from the Hunter River estuary 729
- Horwitz, P. H. J., and Richardson, A. M. M.  
 An ecological classification of the burrows of Australian freshwater crayfish 237
- Ivantsoff, W. *See* Crowley, L. E. L. M.
- Jenkins, G. P.  
 Composition, seasonality and distribution of ichthyoplankton in Port Phillip Bay, Victoria 507
- Johnson, M. S., Creagh, S., and Moran, M.  
 Genetic subdivision of stocks of snapper, *Chrysophrys unicolor*, in Shark Bay, Western Australia 337
- Jones, A. R., Watson-Russell, C. J., and Murray, A.  
 Spatial patterns in the macrobenthic communities of the Hawkesbury Estuary, New South Wales 521
- Kirkwood, G. P., and Walker, T. I.  
 Gill net mesh selectivities for gummy shark, *Mustelus antarcticus* Günther, taken in south-eastern Australian waters 689
- Kokkinn, M. J.  
 Osmoregulation, salinity tolerance and the site of ion excretion in the halobiont chironomid, *Tanytarsus barbitarsis* Freeman 243
- Kos, L. C. *See* Arnott, G. H.  
 Koste, W., and Shiel, R. J.  
 Rotifera from Australian inland waters. I. Bdelloidea (Rotifera: Digononta) 765

- Langdon, J. S.  
Haemosiderosis in *Platycephalus bassensis*  
and *Diodon nicthemerus* in south-east  
Australian coastal waters 587
- Lennon, G. W. See Nunes, R. A.
- Lilley, F. E. M., Mulhearn, P. J.,  
Filloux, J. H., Bindoff, N. L., and  
Ferguson, I. J.  
Pressure fluctuations on the open-ocean floor:  
mid-Tasman Sea at 38°30'S., 162°38'E.,  
near the Lord Howe Rise 27
- Longmore, A. R. See Gibbs, C. F.
- Lyle, J. M.  
Mercury and selenium concentrations in  
sharks from northern Australian  
waters 309
- Corrigendum 669
- MacFarlane, J. W., and Moore, R.  
Reproduction of the ornate rock lobster,  
*Panulirus ornatus* (Fabricius), in Papua  
New Guinea 55
- Corrigendum 543
- Mackey, D. J.  
Copper-complexing capacity of South Pacific  
waters 437
- Marchant, R.  
Estimates of annual production for some  
aquatic insects from the La Trobe River,  
Victoria 113
- McMeekin, T. A. See Garland, C. D.
- Milward, N. E. See Barnett, B. M.
- Moore, R. See MacFarlane, J. W.
- Moran, M. See Johnson, M. S.
- Mulhearn, P. J. See Lilley, F. E. M.
- Murray, A. See Jones, A. R.
- Nell, J. A., and Gibbs, P. J.  
Salinity tolerance and absorption of  
L-methionine by some Australian  
bivalve molluscs 721
- Nicholas, W. L. See Hodda, M.
- Norris, R. H.  
Mine waste pollution of the Molonglo River,  
New South Wales and the Australian Capital  
Territory: effectiveness of remedial works  
at Captains Flat mining area 147
- Nunes, R. A., and Lennon, G. W.  
Physical property distributions and seasonal  
trends in Spencer Gulf, South Australia:  
an inverse estuary 39
- Oliver, R. L. See Ganf, G. G.
- Outridge, P. M. See Arthington, A. H.
- Penn, J. W., and Caputi, N.  
Spawning stock-recruitment relationships and  
environmental influences on the tiger prawn  
(*Penaeus esculentus*) fishery in Exmouth  
Gulf, Western Australia 491
- Penn, J. W. See also Potter, I. C.
- Pickard, G. L.  
Effects of wind and tide on upper-layer  
currents at Davies Reef, Great Barrier  
Reef, during MECOR (July-August  
1984) 545
- Potter, I. C., Penn, J. W., and Brooker, K. S.  
Life cycle of the western school prawn,  
*Metapenaeus dalli* Racek, in a Western  
Australian estuary 95
- Potter, I. C. See also Chubb, C. F.
- Reid, D. D. See Hallegraeff, G. M.
- Richardson, A. M. M. See Horwitz, P. H. J.
- Roberts, J., and Ganf, G. G.  
Annual production of *Typha orientalis*  
Presl. in inland Australia 659
- Robertson, C. H., and White, R. W. G.  
Feeding patterns of *Nesogobius* sp.,  
*Gymnapistes marmoratus*, *Neodax*  
*balteatus* and *Acanthaluteres spilomelanurus*  
from a Tasmanian seagrass meadow 481
- Rochford, D. J.  
Seasonal changes in the distribution of  
Leeuwin Current waters off southern  
Australia 1
- Shiel, R. J. See Koste, W.
- Skilleter, G. A., and Anderson, D. T.  
Functional morphology of the chelipeds,  
mouthparts and gastric mill of *Ozius*  
*truncatus* (Milne Edwards) (Xanthidae) and  
*Leptograpsus variegatus* (Fabricius)  
(Grapsidae) (Brachyura) 67
- Sloane, R. D. See Davies, P. E.
- Stevens, J. D., and Wiley, P. D.  
Biology of two commercially important  
carcharhinid sharks from northern  
Australia 671
- Stone, S. J. L. See Ganf, G. G.
- Timms, B. V.  
Reconnaissance limnology of some coastal  
dune lakes of Cape York Peninsula,  
Queensland 167
- Tomczak Jr, M. See Gibbs, C. F.
- Valentine, J. E. See Garland, C. D.
- Walker, T. I. See Kirkwood, G. P.

- Ward, T. J., Correll, R. L., and Anderson, R. B.  
Distribution of cadmium, lead and zinc amongst the marine sediments, seagrasses and fauna, and the selection of sentinel accumulators, near a lead smelter in South Australia 567
- Watson-Russell, C. J. *See* Jones, A. R.
- Webb, C. J.  
Karyology of the Indo-Pacific *Perioglossus raoi* (Herre) (Teleostei : Gobioidae) from Fiji 347
- White, R. W. G. *See* Robertson, C. H.
- Whitelaw, A. W., and Sainsbury, K. J.  
Tag loss and mortality rates of a small tropical demersal fish species, *Lutjanus carponotatus* (Pisces : Lutjanidae), tagged with dart and anchor tags 323
- Wiley, P. D. *See* Stevens, J. D.
- Williams, M. J.  
Evaluation of anchor tags for marking the commercial sand crab, *Portunus pelagicus* (L.) (Portunidae : Decapoda) 707
- Williams, R. W. *See* Arthington, A. H.
- Williams, W. D.  
Conductivity and salinity of Australian salt lakes 177
- Yeates, G. W. *See* Arthington, A. H.
- Yule, C.  
Comparison of the dietary habits of six species of *Dinotoperla* (Plecoptera : Gripopterygidae) in Victoria 121

